**Super Baby Genetics Rubric**

**Standards:**

**\*Provide evidence that genetic information is passed on from parents to offspring**

**\*Predict alleles and traits of offspring of 2 parents using Punnett Squares**

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|  | **Advanced** | **Proficient** | **Partially Proficient** | **Below Proficiency** |
| **Parents- 5 Super traits and 4 physical traits** | Identified and labeled all 9 traits for each parents | Most traits identified and labeled for both parents (7-8) | Some traits identified and labeled for both parents (5-6) | Missing/fewer than 5 parents traits and /or labels |
| **Punnett Squares** | Correctly completed all 9 squares - labeled and neat | Completed 7-8 squares, or not labeled or neat | Completed 5-6 squares, or others not labeled and neat | Completed 5 or less squares, or missing many labels |
| **Phenotype and Genotype** | Correctly identified for both parents and offspring, labeled | Identified for parents and offspring | Partially identified and labeled for parents and offspring | Missing parents and/or offspring types/labels |
| **Presentation/Pictures** | Pictures/illustrations of offspring - creative and organized, 100% of all requirements met thoroughly | Some pictures/illustrations, some creativity and organization, proficiency at requirements | Pictures/Illustrations are present, creativity and organization are not clear in pitch given | Missing pictures/illustrations, lacking organization and creativity in pitch |
| **Summary Questions** | Accurately answers all 5 questions giving details and examples | Accurately answers 4 questions or 5 are partially correct | Accurately answers 3 questions or others are partially correct | Fewer than 3 questions answered accurately |
| **Vocabulary** | Uses all of scientific, genetic vocabulary- see below | Some 6-7 vocabulary used in project/presentation | Uses 4-5 vocabulary words used in project/presentation | Less than 4 vocabulary used in project/presentation |

**Possible Vocabulary to include:**

**Genotype, phenotype, offspring, trait, dominant, recessive, homozygous, heterozygous**